

PACKET HEADER COMPRESSION IN LOSSY CHANNELS

ABSTRACT

6 **[0041]** The disclosed systems and methods provide for the compression and decompression  
7 of packet headers. An uncompressed header can be compressed in size to form a smaller,  
8 compressed header, such that the compressed header can include values that can be used to re-  
9 produce the uncompressed header. A compressed header can include at least two such values. A  
10 first value of the at least two values can be computed based on a second, earlier uncompressed  
11 header and can be used to derive the uncompressed header. Similarly, a second value of the at  
12 least two values can be computed based on a third uncompressed header and can be used to  
13 derive the same uncompressed header. Accordingly, the uncompressed header can be derived  
14 based on the first value and the second uncompressed header, or based on the second value and  
15 the third uncompressed header. The uncompressed header, second uncompressed header, and  
16 third uncompressed header can be associated with different packets.